INTERNATIONAL SEARCH REPORT

International application No.

PCT/FI 2003/000655

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: H03L 7/099, H03L 7/08
According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: H03L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI

Swedish Patent Office

Box 5055, S-102 42 STOCKHOLM

Facsimile No. +46 8 666 02 86

U.	DOCOMENTS	CONSIDERED	TO	BE RELEVAN
₩.	DOCCMENTS	CONSIDERED	10	DE RELEVAN

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.		
х	EP 1104111 A1 (LUCENT TECHNOLOGIES INC.), 16 October 2000 (16.10.2000), column 3, line 36 - column 4, line 8	1,3,4		
Y	. 	2,5		
Y	US 6175284 B1 (YASUHIRO SAKURAI ET AL), 16 January 2001 (16.01.2001), column 1, line 10 - line 20; column 3, line 26 - column 4, line 15, figure 1	2,5		
				
Х	<pre>EP 0944172 A2 (CONEXANT SYSTEMS, INC.), 22 Sept 1999 (22.09.1999), figure 4, abstract</pre>	1,3,4		
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X	Further documents are listed in the continuation of Box	c C.	X See patent family annex.	
* "A" "E" "L" "O"	cited to establish the publication date of another citation or other special reason (as specified)	"T" "X" "Y"	considered novel or cannot be considered to involve an inventive step when the document is taken alone document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art	
Date of the actual completion of the international search 8 March 2004		Date of mailing of the international search report 0 5 -05- 2004		
Name and mailing address of the ISA/		Authorized officer		

Sara Thulin/MN

Telephone No. - + 46-8 782 25 00

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T	ation). DOCUMENTS CONSIDERED TO BE RELEVANT	1
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Х	US 5650754 A (SHANKAR R. JOSHI ET AL), 22 July 1997 (22.07.1997), column 6, line 1 - line 19; column 5, line 16 - line 35	1,3,4
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INTERNATIONAL SEARCH REPORT

Information on patent family members

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